

CLASSIFIED MESSAGE

DATE 0810Z 07 FEB 1963

S E C R E T

ROUTING

1	Command	4	DAD
2	Intel	5	AD-est
3	EAD	6	DDE

TO DIRECTOR

FROM KWCUPID

ACTION: OSA (1-20)

INFO: S/C (21)

DOCUMENT NO.
100-100000-100000 XCLASSIFIED TO
2011
149/81

P R I O R I T Y RB

TOR: 0854Z 07 FEB 1963

IN 65242

TO PRITY ADIC CARD

INFO CACTUS

SITE CUPID 0833

50X1

HBJAYWALK [] COMMO OPERA INTEL
REF ADIC 2710

50X1

1. PARA 1 REF MSG: IN ORDER TO SUPERIMPOSE "RAW" VIDEO ON X BAND CHANNEL THE FOLLOWING HAD TO BE ACCOMPLISHED:

A. INSTALLED A .001 CAPACITOR IN SERIES WITH THE "RAW" VIDEO OUTPUT IN THE TEE CONNECTION THAT FEEDS X BAND VIDEO TO THE TAPE RECORDER.

B. THIS WAS NECESSARY BECAUSE "RAW" VIDEO IS TAKEN DIRECTLY OFF OF THE CATHODE RESISTOR OF THE CATHODE FOLLOWER STAGE SYS XII. IT HAS A BIAS POTENTIAL OF A PLUS 17 VOLTS D.C. WITHOUT THE BLOCKING CAPACITOR THIS POTENTIAL IS APPLIED DIRECTLY ACROSS THE B RECORDER HEAD. THIS CONDITION PREVENTS THE HEAD FROM RESPONDING TO THE VIDEO SIGNAL FROM X BAND INFO-AMP.

2. TEST INDICATE THAT BECAUSE OF LOW LEVEL AND SHORT PULSE WIDTH OF 75 TO 100 MICROSECONDS, AND BECAUSE OF A POOR HI-FREQ RESPONSE OF THE B RECORDER THE SIGNAL LEVEL IN PLAY BACK WAS ONLY SLIGHTLY ABOVE THE NOISE LEVEL.

S E C R E T

GROUP 1

Excluded from automatic
downgrading and
declassification

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S E C R E T

0833 (IN 65242)

PAGE TWO

50X1

3. PARA 2. WILL COMPLY.

4. PARA 3. WILL ADVISE CAPABILITY WHEN 15 CPS SCAN RATE
RECOGNIZERS RECEIVED THIS STATION FOR INSTALLATION.

END OF MESSAGE

S E C R E T